Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO™ E Series
Your desktop without compromises

Issue May 2008

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Economy

Sophisticated technologies for best in class economy.

Reduce cost of your professional PC by lowest energy consumption! The switched monitor outlet powers the display through the system. Switching off the systems means disconnecting the display, this saves up to ~ 20 % of the display power consumption annually. Additionally, software and BIOS power management solutions reduce the overall average power consumption.

Further Total Cost of Ownership reductions are achieved through a comprehensive set of manageability features, sophisticated security solutions and a service friendly cabinet design.

For highest economy, ESPRIMO professional PCs are designed to increase your productivity and to decrease your cost.

Reliability

- Complete system development and manufacturing by Fujitsu Siemens Computers guarantees highest quality
- Platform stability and product continuity with managed lifecycle up to 18 month and chipset diversity

Environment

- Build with specially selected materials, the ESPRIMO Green PC brings economy and ecology in harmony
- From development to production, from transport to recycling –minimize the impact on the environment and limit the use of unrecoverable resources.
- Certified with the new Energy Star® 4.0 (optional)

Ergonomics

- Sophisticated hardware design with optimized fans and air flow provides most silent system for an efficient working environment
- Best usability and complete quality – service friendly cabinet and easy access to all components

Customizing

- Tailor-made products to meet customer individual requirements
- Freedom of choice with systems which perfectly fit to specific customer

Manageability

- Reduce Total Cost of Ownership with a comprehensive set of system management features
- Easy and remote administration with DeskView client management

Security

- Access and data protection with sophisticated hardware and software components for secure systems
- Protect property – secure hardware and data and limit access with SmartCard Reader

	E5625	E5625 EPA	E5720	E5720 EPA	E5925 vPro	E5925 EPA, vPro
Mainboard						
Chipset	NVIDIA MCP78PV	NVIDIA MCP78PV	iQ33	iQ33	iQ35 vPRO	iQ35 vPRO
Mainboard Number	D2724	D2724	D2594	D2594	D2598	D2598
Mainboard form factor	proprietary	proprietary	proprietary	proprietary	proprietary	proprietary
Processor socket	Socket AM2+	Socket AM2+	LGA 775	LGA 775	LGA 775	LGA 775
Front side bus resp. system bus support	4000MHz	4000MHz	800/1066/1333 MHz	800/1066/1333 MHz	800/1066/1333 MHz	800/1066/1333 MHz
BIOS version	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0	Phoenix Vers. 6.0
Flash EPROM BIOS update by software	x	x	x	x	x	x
Recovery BIOS	x	x	x	x	x	x
Processor						
Intel® Core™ 2 Quad Q9xxx	-	-	-	-	up to Q9450	up to Q9450
Second level cache	-	-	-	-	6MB/12MB	6MB/12MB
Front side bus (FSB)	-	-	-	-	1333MHz	1333MHz
Intel® Core™ 2 Quad Q6xxx	-	-	-	-	up to Q6600	up to Q6600
Second level cache	-	-	-	-	8MB	8MB
Front side bus (FSB)	-	-	-	-	1066MHz	1066MHz
Intel® Core™2 Duo E8xxx	-	-	up to E8500	up to E8500	up to E8500	up to E8500
Second level cache	-	-	6MB	6MB	6MB	6MB
Front side bus (FSB)	-	-	1333MHz	1333MHz	1333MHz	1333MHz
Intel® Core™2 Duo E7xxx	-	-	up to E7200	up to E7200	up to E7200	up to E7200
Second level cache	-	-	3MB	3MB	3MB	3MB
Front side bus (FSB)	-	-	1066MHz	1066MHz	1066MHz	1066MHz
Intel® Core™2 Duo E4xxx	-	-	up to E4600	up to E4600	up to E4600	up to E4600
Second level cache	-	-	2MB	2MB	2MB	2MB
Front side bus (FSB)	-	-	800MHz	800MHz	800MHz	800MHz
Intel® Pentium™ Dual core E2xxx	-	-	up to E2200	up to E2200	up to E2200	up to E2200
Second level cache	-	-	1MB	1MB	1MB	1MB
Front side bus (FSB)	-	-	800MHz	800MHz	800MHz	800MHz
Intel® Celeron	-	-	up to 440	up to 440	up to 440	up to 440
Second level cache	-	-	512 KB	512 KB	512 KB	512 KB
Front side bus (FSB)	-	-	800 MHz	800 MHz	800 MHz	800 MHz
Phenom™ X4 Quad core (socket)	up to 9550 (AM2+)	-	-	-	-	-
L2 cache	2MB	-	-	-	-	-
L3 cache	2MB					
System Bus support	3600 MHz	-	-	-	-	-
Phenom™ X3 Triple Core (socket)	up to 8450 (AM2+)	-	-	-	-	-
L2 cache	1,5MB	-	-	-	-	-
L3 cache	2MB					
System Bus support	3200 MHz	-	-	-	-	-
Athlon™ 64 X2 Dual Core (socket)	up to 5600+ (AM2)	up to 5600+ (AM2)	-	-	-	-
L2 cache	up to 2MB	up to 2MB	-	-	-	-
L3 cache	-	-				
System Bus support	2000 MHz	2000 MHz	-	-	-	-
Athlon™ X2 Dual Core (socket) Energy efficient	4450e (AM2)	4450e (AM2)	-	-	-	-
L2 cache	1MB	1MB	-	-	-	-
L3 cache	-	-				
System Bus support	2000 MHz	2000 MHz	-	-	-	-
Athlon™ Single Core (socket) Energy efficient	LE-1640 (AM2)	LE-1640 (AM2)	-	-	-	-
L2 cache	512 MB	512 MB	-	-	-	-
L3 cache	-	-				
System Bus support	2000 MHz	2000 MHz	-	-	-	-
Sempron™ Single Core (socket) Energy efficient	LE-1250 (AM2)	LE-1250 (AM2)	-	-	-	-
L2 cache	512 KB	512 KB	-	-	-	-
L3 cache	-	-				
System Bus support	1600 MHz	1600 MHz	-	-	-	-
Memory						
Memory support	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz	667/800 MHz
DIMM slots	4	4	4	4	4	4
dual channel support	x	x	x	x	x	x
Max. capacity DDR2 SDRAM	8GB	8GB	8GB	8GB	8GB	8GB
for dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules)						
Interfaces						
Mouse/keyboard (PS2)	x/x	x/x	x / x	x / x	x / x	x / x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x	x	x	x	x	x
Second serial port	x	x	x	x	x	x
Parallel (25pin with EPP and ECP)	optional	optional	optional	optional	optional	optional
Display (15 pin, VGA)	x	x	x	x	x	x
DVI	optional	optional	optional	optional	optional	optional
Micro (mono) rear	-	-	-	-	-	-
Line in (stereo) rear	x	x	x	x	x	x
Line out (stereo) rear	x	x	x	x	x	x
Micro (stereo) front	x	x	x	x	x	x
Headphone in front	x	x	x	x	x	x
LAN RJ45	x	x	x	x	x	x
Universal Serial Bus (USB 2.0) in total	10	10	12	12	12	12
therefore USB rear	6	6	6	6	6	6

	E5625	E5625 EPA	E5720	E5720 EPA	E5925 vPro	E5925 EPA, vPro
USB front	2	2	2	2	2	2
USB internal	2	2	4	4	4	4
Interfaces add on cards/components						
Dual port RS232 , serial	optional	optional	optional	optional	optional	optional
eSATA cable	optional	optional	optional	optional	optional	optional
Parallel cable (25pin with EPP and ECP)	optional	optional	optional	optional	optional	optional
Multicardreader	optional	optional	optional	optional	optional	optional
Input device/components						
USB wheel mouse	-	-	-	-	-	-
Optical USB Tilt wheel mouse	x	x	x	x	x	x
Optical USB/PS2 Tilt wheel mouse	optional	optional	optional	optional	optional	optional
LAN on board						
10/100/1000 MBit/s	Broadcom BCM5787	Broadcom BCM5787	Broadcom BCM5754	Broadcom BCM5754	Intel® 82566DM	Intel® 82566DM
Wake up on LAN (WOL)	x	x	x	x	x	x
PXE	x	x	x	x	x	x
BootP	tbd	tbd	tested	tested	tested	tested
LAN add on cards						
Gigabit Ethernet, PCI Express x1	-	-	-	-	-	-
Gigabit Ethernet, PCI, SysKonnect	optional	optional	optional	optional	optional	optional
Audio on board						
Internal speaker supports audio playback	x	x	x	x	x	x
High definition audio	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262	Realtek ALC 262
I/O controller onboard						
Fast IDE/Ultra DMA-100 bus master capability	-	-	-	-	-	-
Serial ATA / thereof eSATA	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
Serial ATA II / 3GBit	x/x	x/x	x/x	x/x	x/x	x/x
Raid 1/0	x	x	-	-	x	x
Drive bays	3	3	3	3	3	3
internal 3,5"	1	1	1	1	1	1
external 3,5"	1*	1*	1*	1*	1*	1*
external 5,25"	1*	1*	1*	1*	1*	1*
	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"	* optional internal 3.5"
Floppy disk drive 1.44 MB standard	optional	optional	optional	optional	optional	optional
Hard disk drives						
Serial ATA II 80 / 160 / 250 / 500 GB supporting NCQ and 3GBit (if chipset support is available)	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x	x/x/x/x
Optical drives (SATA)						
16/48-speed DVD ROM	optional	optional	optional	optional	optional	optional
DVD SuperMulti writer double layer support	optional	optional	optional	optional	optional	optional
Slots						
PCI	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile
PCI Express x16	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile
PCI Express x1	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile
	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional
Graphic on board	Geforce 8200	Geforce 8200	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100	Intel® GMA 3100
Shared memory depending on driver	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB	up to 256MB
3D SW interface	DirectX 10	DirectX 10	DirectX 9	DirectX 9	DirectX 9	DirectX 9
Resolution (color depth up to 32 Bit/pixel)						
1024 x 768 (recommended / max*)	120 / 200 Hz	120 / 200 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1280 x 1024 (recommended / max*)	100 / 150 Hz	100 / 150 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz	85 / 100 Hz
1440 x 900 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x	x / x	x / x	x / x	x / x	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.						
Graphic add on cards						
NVIDIA GeForce 8400 256 MB, LP (DirectX 10)	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 128MB, LP (DirectX 9)	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 256MB, LP (DirectX 9)	optional	optional	optional	optional	optional	optional
NVIDIA Quadro NVS 290 256MB, LP (DirectX10)	optional	optional	optional	optional	optional	optional
NVIDIA GeForce FX 7300LE 128MB (DirectX 9)	-	-	-	-	-	-
NVIDIA GeForce FX 7300LE 256MB (DirectX 9)	-	-	-	-	-	-
NVIDIA Quadro NVS 290 256MB (DirectX10)	-	-	-	-	-	-
DVI adapter incl. Dual Monitoring (DVI/VGA)	optional	optional	optional	optional	optional	optional
Dual-DVI adapter incl. Dual Monitoring (DVI/DVI)	-	-	optional	optional	optional	optional
Electrical values				80+ PSU		80+ PSU

	E5625	E5625 EPA	E5720	E5720 EPA	E5925 vPro	E5925 EPA, vPro
Rated voltage range, AC	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V
Rated frequency range	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Operating voltage range, AC	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V	90 - 264 V
Operating line frequency range	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Max. output of power supply	270 W	300W	270 W	300W	270 W	300W
PFC (power factor correction)	active	active	active	active	active	active
Monitor outlet	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched	yes, switched
Power consumption for standard configuration (W) / CPU (1GB memory, HD, ODD, FDD, Operating system) in Watt	Athlon LE 1640 Athlon X2 5600+ Phenom X4 9500	Athlon LE 1640 Athlon X2 5600+	Celeron 430 Core2Duo E6850	Celeron 430 Core2Duo E6850	Celeron 430 Core2Duo E6850 Coe2Quad Q9550	Celeron 430 Core2Duo E6850 Coe2Quad Q9550
Maximum (S0, running app. CD in use)	95W / 124W 135W	83W / 108W	69W / 100W	62W / 90W	72W / 101W / 93W	63 W / 89W / 84W
Average (S0, running OS, Idle mode)	54W / 53W / 78W	44W / 45W	52W / 53W	44W / 45W	51W / 52W / 58W	45W / 45W / 47W
Stand by (S3, energy saving modus, WOL enabled)	2,7W	2,6W	1,6W	1,6W	1,8W	1,8W
Minimum (ACPI status S5, soft off, **WOL enabled**)	2,0W	2,1W	1,5W	1,5W	1,7W	1,6W
Minimum (ACPI status S5, soft off, **wake up power button only)**	-	-	-	-	-	-
Heat dissipation (kJ/h / BTU/h) / CPU	Athlon X2 5600+	Athlon X2 5600+	E6850	E6850	E6850	E6850
Maximum (S0, running app. CD in use)	256 kJ/h / 243 BTU/h	249 kJ/h / 236 BTU/h	360 kJ/h / 341 BTU/h	324 kJ/h / 307 BTU/h	364 kJ/h / 345 BTU/h	320 kJ/h / 304 BTU/h
Average (S0, running OS, Idle mode)	191 kJ/h / 181 BTU/h	162 kJ/h / 154BTU/h	191 kJ/h / 181 BTU/h	162 kJ/h / 154 BTU/h	187 kJ/h / 177 BTU/h	162 kJ/h / 154 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	9,7 kJ/h / 9,2 BTU/h	9,4 kJ/h / 8,9 BTU/h	5,8 kJ/h / 5,5 BTU/h	5,8 kJ/h / 5,5 BTU/h	6,5 kJ/h / 6,1 BTU/h	6,5 kJ/h / 6,1 BTU/h
Minimum (ACPI status S5, soft off, **WOL enabled**)	8,3 kJ/h / 7,8 BTU/h	7,6k J/h / 7,2 BTU/h	5,4 kJ/h / 5,1 BTU/h	5,4 kJ/h / 5,1 BTU/h	6,2 kJ/h / 5,8 BTU/h	5,8 kJ/h / 5,5 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h						
Noise for standard configuration (HDD, ODD, FDD)	Phenom 9600	Phenom 9600	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850	Celeron 430; E6850
A weighted sound **power level Lwad** (in B) / Workplace related A-weighted sound **pressure level LpAm** (in dB(A)), (bystander position) (ISO9296)						
Operation mode 1: ODD load (Blue angel requirement)	5,2B / 38dB	5,2B / 38dB	4,7B / 32dB ; 4,6B / 32dB	4,7B / 32dB ; 4,6B / 32dB	4,7B / 32dB	4,7B / 32dB
Operation mode 2: HDD load (Blue angel requirement)	3,4B / 18dB	3,4B / 18dB	3,7B / 22dB ; 3,4B / 18dB	3,7B / 22dB ; 3,4B / 18dB	3,5B / 20dB ; 3,6B / 20dB	3,5B / 20dB ; 3,6B / 20dB
Operation mode 3: CPU 90% load (Blue angel requirement)	3,8B / 23dB	3,8B / 23dB	3,3B / 17dB ; 3,6B / 20dB	3,3B / 17dB ; 3,6B / 20dB	3,3B / 17dB ; 3,6B / 21dB	3,3B / 17dB ; 3,6B / 21dB
Operation mode 4: High load	3,8B / 23dB	3,8B / 23dB	3,7B / 22dB ; 3,9B / 21dB	3,7B / 22dB ; 3,9B / 21dB	3,6B / 20dB ; 3,7B / 22dB	3,6B / 20dB ; 3,7B / 22dB
Operation mode 5: Office applications	3,5B / 19dB	3,5B / 19dB	3,7B / 21dB ; 3,5B / 23dB	3,7B / 21dB ; 3,5B / 23dB	3,5B / 20dB ; 3,7B / 21dB	3,5B / 20dB ; 3,7B / 21dB
Idle mode (Blue angel requirement)	3,4B / 18dB	3,4B / 18dB	3,4B / 17dB ; 3,4B / 17dB	3,4B / 17dB ; 3,4B / 17dB	3,3B / 16dB ; 3,4B / 17dB	3,3B / 16dB ; 3,4B / 17dB
Ambient temperature (IEC 721)	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C	15°C'- 35°C
Dimensions	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm
Operating position (vertical/horizontal)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)	x / x (no feet needed)
Weight (depending on config)	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg
Approvals and standards						
CE certification according to EU Directives 89/336/EEC (EMC) and 06/95/EC (Product safety)	x	x	x	x	x	x
Ergonomics ISO9241 (GS mark)	x	x	x	x	x	x
Product safety IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x	x	x	x	x	x
Electromagn. compatibility EN55022/B, FCC class B, EN55024, EN61000-3-2/3	x	x	x	x	x	x
Environmental compatibility						
RoHS (Restriction of hazardous substances)	x	x	x	x	x	x
WEEE (Waste electrical and electronical equipment)	x	x	x	x	x	x
Energy Star	-	x (4.0)	-	x (4.0)	-	x (4.0)
Blue Angel 2007	tbd	tbd	x	x	x	x
Nordic Swan	tbd	tbd	x	x	x	x
TCO 05	-	tbd	-	-	-	tbd
Med certification according to EN60950 and EN60601-1-	-	-	-	-	x	x
Software (compatibility / preinstalled)						
Microsoft Windows 2000	- / -	- / -	for projects	for projects	for projects	for projects
Microsoft Windows XP Home	x / -	x / -	x / -	x / -	x / -	x / -
Microsoft Windows XP Professional	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)	x / opt (TwinLoad)
Microsoft Windows XP Professional x64 Edition	x / -	x / -	x / -	x / -	x / -	x / -

	E5625	E5625 EPA	E5720	E5720 EPA	E5925 vPro	E5925 EPA, vPro
Microsoft Windows Vista® 32bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® 64bit	x / optional	x / optional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	x	x	x	x	x	x
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x	x	x	x	x	x
Linux certified	tbd	tbd	-	-	-	-
Additional Software						
Recovery DVD (Microsoft Windows XP / Vista)	- / optional	- / optional	- / optional	optional	optional	optional
Drivers and Utility DVD (DUDVD) (Microsoft Windows XP / Vista)	optional	optional	x / optional	x / optional	x / optional	x / optional
XONTROL (noise reduction for optical drives)	x	x	x	x	x	x
Others						
Thermal Management	x	x	x	x	x	x
Keyboard on (Fujitsu Siemens Computers keyboard required)	x	x	x	x	x	x
Spare part availability	5 years	5 years	5 years	5 years	5 years	5 years
Compatibility (references)						
Microsoft Operating Systems (HCT / HCL entry)	x	x	x	x	x	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0	x	x	x	x	x	x
Manageability						
ASF 2.0 (Alert Standard Format)	x	x	x	x	x	x
iAMT Intel Active Manageability Technology (not activated, not provisioned, for Win XP Prof and Vista Business only)	-	-	-	-	x (v.3.0)	x (v. 3.0)
DeskView 10.x client management including:						
On/Offline remote client management	x	x	x	x	x	x
Detailed system inventory management and reports	x	x	x	x	x	x
BIOS Management	x	x	x	x	x	x
Remote power management	x	x	x	x	x	x
System notifications	x	x	x	x	x	x
Advanced alerts (ASF implementation)	-	-	x	x	x	x
Security Remote Control	x	x	x	x	x	x
DeskView Helpdesk Integration	x	x	x	x	x	x
DeskUpdate Driver management	x	x	x	x	x	x
DeskView Migrate	optional	optional	optional	optional	optional	optional
DeskView Control	optional	optional	optional	optional	optional	optional
PXE 2.1 Boot code	x	x	x	x	x	x
BootP Boot Code including Bootmanage Administrator Software	tested	tested	tested	tested	tested	tested
Wake up from S5 (off mode)	x	x	x	x	x	x
Intrusion switch	optional	optional	optional	optional	optional	optional
Security						
Physical Security implemented in the cabinet						
Prepared for Kensington lock, eye for padlock	x	x	x	x	x	x
Integrated cabinet lock	optional	optional	optional	optional	optional	optional
System Security						
Boot sector virus protection	x	x	x	x	x	x
Write protect option for the Flash EPROM	x	x	x	x	x	x
Embedded security (TPM1.2)	Infineon	Infineon	Infineon	Infineon	Infineon	Infineon
Control of all USB interfaces / external USB interfaces detachable separately	x / x	x / x	x / x	x / x	x / x	x / x
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x	x	x	x	x	x
Control of external interfaces	x	x	x	x	x	x
User Security						
User and supervisor BIOS password	x	x	x	x	x	x
SystemLock 2 BIOS SmartCard Security	x	x	x	x	x	x
Hard disk password	x	x	x	x	x	x
Access protection via external SmartCard reader	optional	optional	optional	optional	optional	optional
Access protection via internal SmartCard reader	optional	optional	optional	optional	optional	optional
Serviceability						
FlexySlot	x	x	x	x	x	x
EasyFix	x	x	x	x	x	x
EasyChange (for HDD / for optical drives)	x / x	x / x	x / x	x / x	x / x	x / x
EasyPull	x	x	x	x	x	x
Packaging information						
Dimension outside (H x W x D) in mm	500x290x540	500x290x540	500x290x540	500x290x540	500x290x540	500x290x540
Max. quantity/ pallet	24	24	24	24	24	24
Material/ weight in g						
Carton	1270g	1270g	1270g	1270g	1270g	1270g
EPS / PS	230g	230g	230g	230g	230g	230g
PE	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g	appr. 60g
printed user documentation is bleached in chlorine free process						
Logos		ENERGY STAR		ENERGY STAR		ENERGY STAR

Recycling information/ End of life service information
product is designed for easy recyclability
information about take back and recycling you can find here
http://www.fujitsu-siemens.com/recycling
information about environmental initiatives, policies, programs and goals can be found here
http://www.fujitsu-siemens.com/aboutus
Product material information
For all restricted substances see the Environmental guideline FSC03230
The data reflects laboratory performance only. The customer configuration may perform differently, depending on the software, components and peripherals connected.

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